

Declaration and Power of Attorney for Patent Application Erklärung für Patentanmeldungen mit Vollmacht

German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

daß mein Wohnsitz, meine Postanschrift und meine Staatsangehörigkeit den im nachstehenden nach meinem Namen aufgeführten Angaben entsprechen, daß ich nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent für die Erfindung mit folgendem Titel beantragt wird:

Flüssigkeitsfalle zum Auffangen von Flüssigkeiten

in einer Vakuumeinrichtung

deren Beschreibung hier beigefügt ist, es sei denn (in diesem Falle Zutreffendes bitte ankreuzen), diese Erfindung

- ☒ wurde angemeldet am 11 März 2005 (371) unter der US-Anmeldenummer oder unter der Internationalen Anmeldenummer im Rahmen des Vertrags über die Zusammenarbeit auf dem Gebiet des Patentwesens (PCT) 10/527676 und am _____ abgeändert (falls zutreffend).

Ich bestätige hiermit, daß ich den Inhalt der oben angegebenen Patentanmeldung, einschließlich der Ansprüche, die eventuell durch einen oben erwähnten Zusatzantrag abgeändert wurde, durchgesehen und verstanden habe.

Ich erkenne meine Pflicht zur Offenbarung jeglicher Informationen an, die zur Prüfung der Patentfähigkeit in Einklang mit Titel 37, Code of Federal Regulations, § 1.56 von Belang sind.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Liquid Trap for Collecting Liquids in a Vacuum Device

the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on 11 March 2005 (371) as United States Application Number or PCT International Application Number 10/527676 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

German Language Declaration

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäß Title 35, US-Code, § 119 (a)-(d), bzw. § 365(b) aller unten aufgeführten Auslandsanmeldungen für Patente oder Erfinderurkunden, oder § 365(a) aller PCT internationalen Anmeldungen, welche wenigstens ein Land ausser den Vereinigten Staaten von Amerika benennen, und habe nachstehend durch ankreuzen sämtliche Auslandsanmeldungen für Patente bzw. Erfinderurkunden oder PCT internationale Anmeldungen angegeben, deren Anmeldetag dem der Anmeldung, für welche Priorität beansprucht wird, vorangeht.

Prior Foreign Applications
(Frühere ausländische Anmeldungen)

<u>PCT/EP03/10164</u>	<u>PCT</u>
(Number)	(Country)
(Nummer)	(Land)
 <u>DE 10242622.8</u>	 <u>Germany</u>
(Number)	(Country)
(Nummer)	(Land)

Ich beanspruche hiermit Prioritätsvorteile unter Title 35, US-Code, § 119(e) aller US-Hilfsanmeldungen wie unten aufgezählt.

(Application No.) (Aktenzeichen)	(Filing Date) (Anmeldetag)
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(Application No.) (Aktenzeichen)	(Filing Date) (Anmeldetag)
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Ich beanspruche hiermit die mir unter Title 35, US-Code, § 120 zustehenden Vorteile aller unten aufgeführten US-Patentanmeldungen bzw. § 365(c) aller PCT internationalen Anmeldungen, welche die Vereinigten Staaten von Amerika benennen, und erkenne, insofern der Gegenstand eines jeden früheren Anspruchs dieser Patentanmeldung nicht in einer US-Patentanmeldung, bzw. PCT internationalen Anmeldung in in einer gemäß dem ersten Absatz von Title 35, US-Code, § 112 vorgeschriebenen Art und Weise offenbart wurde, meine Pflicht zur Offenbarung jeglicher Informationen an, die zur Prüfung der Patentfähigkeit in Einklang mit Title 37, Code of Federal Regulations, § 1.56 von Belang sind und die im Zeitraum zwischen dem Anmeldetag der früheren Patentanmeldung und dem nationalen oder im Rahmen des Vertrags über die Zusammenarbeit auf dem Gebiet des Patentwesens (PCT) gültigen internationalen Anmeldetags bekannt geworden sind.

(Application No.) (Filing Date)
(Aktenzeichen) (Anmeldetag)

(Application No.)	(Filing Date)
(Aktenzeichen)	(Anmeldetag)

Ich erkläre hiermit, daß alle in der vorliegenden Erklärung von mir gemachten Angaben nach bestem Wissen und Gewissen der Wahrheit entsprechen, und ferner daß ich diese eidesstattliche Erklärung in Kenntnis dessen ablege, daß wissentlich und vorsätzlich falsche Angaben oder dergleichen gemäß § 1001, Title 18 des US-Code strafbar sind und mit Geldstrafe und/oder Gefängnis bestraft werden können und daß derartige wissentlich und vorsätzlich falsche Angaben die Rechtswirksamkeit der vorliegenden Patentanmeldung oder eines aufgrund deren erteilten Patentes gefährden können.

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed
Priorität nicht beansprucht

12 September 2003
(Day/Month/Year Filed)
(Tag/Monat/Jahr der Anmeldung)

13 September 2002
(Day/Month/Year Filed)
(Tag/Monat/Jahr der Anmeldung)

I hereby claim the benefit under Title 35, United States Code,
§ 119(e) of any United States provisional application(s) listed below.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Status) (patented, pending, abandoned)
(Status) (patentiert, schwebend, aufgegeben)

(Status) (patented, pending, abandoned)
(Status) (patentiert, schwebend, aufgegeben)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

VERTRETUNGSVOLMACHT: Als benannter Erfinder beauftrage ich hiermit den (die) nachstehend aufgeführten Patentanwalt (Patentanwälte) und/oder Vertreter mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Angelegenheiten vor dem US-Patent- und Markenamt: *(Name(n) und Registrationsnummer(n) auflisten)*

Namen Rechts

Postanschrift: Matthew P. McWilliams
Drinker Biddle & Reath, One Logan Square,
18th & Cherry Streets, Philadelphia, PA 19103-6996

Telefonische Auskünfte: *(Name und Telefonnummer)*

Matthew P. McWilliams (215) 988-3381

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: *(list name and registration number)*

Customer No. 23973: Robert A. Koons, Jr. Reg. No. 32474
Armando A. Flores Reg. No. 41754
Matthew P. McWilliams Reg. No. 46922
Gary Mangels Reg. No. 55424

Send Correspondence to: Matthew P. McWilliams
Drinker Biddle & Reath, One Logan Square,
18th & Cherry Streets, Philadelphia, PA 19103-6996
Direct Telephone Calls to: *(name and telephone number)*



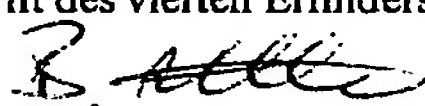
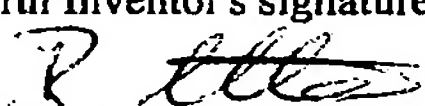
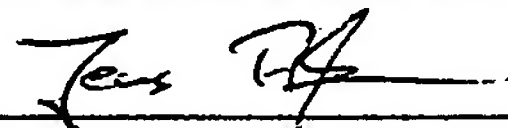



Matthew P. McWilliams (215) 988-3381

Vor- und Zuname des einzigen oder ersten Erfinders Manfred Faubel	Full name of sole or first inventor Manfred Faubel
Unterschrift des Erfinders <i>M. Faubel</i>	Inventor's signature <i>M. Faubel</i>
Datum Nov. 5, 2005	Date Nov. 5/2005
Wohnsitz Steinbreite 32, 37124 Rosdorf, Deutschland	Residence Steinbreite 32, 37124 Rosdorf, Germany
Staatsangehörigkeit Deutschland	Citizenship Germany
Postanschrift Steinbreite 32, 37124 Rosdorf, Deutschland	Post Office Address Steinbreite 32, 37124 Rosdorf, Germany
Vor- und Zuname des zweiten Miterfinders (falls zutreffend) Ales Charvat	Full name of second joint inventor, if any Ales Charvat
-	
Unterschrift des zweiten Erfinders <i>Ales Charvat</i>	Second inventor's signature <i>Ales Charvat</i>
Datum 5/12/2005	Date 5/12/2005
Wohnsitz Ginsterweg 10, 37077 Göttingen, Deutschland	Residence Ginsterweg 10, 37077 Göttingen, Germany
Staatsangehörigkeit Deutschland	Citizenship Germany
Postanschrift Ginsterweg 10, 37077 Göttingen, Deutschland	Post Office Address Ginsterweg 10, 37077 Göttingen, Germany

(Im Falle dritter und weiterer Miterfinder sind die entsprechenden Informationen und Unterschriften hinzuzufügen.)

(Supply similar information and signature for third and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Vor- und Zuname des dritten Erfinders (falls zutreffend) Jürgen Troe	Full name of third joint inventor, if any Jürgen Troe
Unterschrift des dritten Erfinders 	Third Inventor's signature 
Datum	Date
Wohnsitz Rohnsweg 22, 37085 Göttingen, Deutschland	Residence Rohnsweg 22, 37085 Göttingen, Germany
Staatsangehörigkeit Deutschland	Citizenship Germany
Postanschrift Rohnsweg 22, 37085 Göttingen, Deutschland	Post Office Address Rohnsweg 22, 37085 Göttingen, Germany
Vor- und Zuname des vierten Erfinders (falls zutreffend) Bernd Abel	Full name of fourth joint inventor, if any Bernd Abel
Unterschrift des vierten Erfinders 	Fourth Inventor's signature 
Datum	Date
Wohnsitz Hohler Weg 4D, 37127 Dransfeld, Deutschland	Residence Hohler Weg 4D, 37127 Dransfeld, Germany
Staatsangehörigkeit Deutschland	Citizenship Germany
Postanschrift Hohler Weg 4D, 37127 Dransfeld, Deutschland	Post Office Address Hohler Weg 4D, 37127 Dransfeld, Germany
Vor- und Zuname des fünften Erfinders (falls zutreffend) Jens Assman	Full name of fifth joint inventor, if any Jens Assman
Unterschrift des fünften Erfinders 	Fifth Inventor's signature 
Datum 1. 12. 05	Date 1. 12. 05
Wohnsitz Augartenstrasse 95, 68165 Mannheim, Deutschland	Residence Augartenstrasse 95, 68165 Mannheim, Germany
Staatsangehörigkeit Deutschland	Citizenship Germany
Postanschrift Augartenstrasse 95, 68165 Mannheim, Deutschland	Post Office Address Augartenstrasse 95, 68165 Mannheim, Germany
Vor- und Zuname des sechsten Erfinders (falls zutreffend) Eugene Lugovoi	Full name of sixth joint inventor, if any Eugene Lugovoi
Unterschrift des sechsten Erfinders 	Sixth Inventor's signature 
Datum 5. 12. 2005	Date 5. 12. 2005
Wohnsitz Im Hassel 11, 37077 Göttingen, Deutschland	Residence Im Hassel 11, 37077 Göttingen, Germany
Staatsangehörigkeit Russland	Citizenship Russia
Postanschrift Im Hassel 11, 37077 Göttingen, Deutschland	Post Office Address Im Hassel 11, 37077 Göttingen, Germany

Statement under 37 CFR 1.497 (d)(1) by persons being added as inventor:

We, Bernd Abel, Jens Assman, and Eugene Lugovoi, do state that we should be added as inventors on the patent invention titled "Liquid Trap for Collecting Liquids in a Vacuum Device". This error occurred without any deceptive intention on our part and we now request to be named as inventors on this invention.

B. Abel
Bernd Abel, Inventor

Dated: 10.04.2006

J. Assman
Jens Assman, Inventor

Dated: 21.04.2006

E. Lugovoi
Eugene Lugovoi, Inventor

Dated: 11.04.2006

Statement of Consent by Assignee under 37 CFR 1.48 (a) (5):

Assignee Max-Planck-Gesellschaft zur Foerderung Wissenschaften e.V. is a Co-Tenant, along with Georg-August-Universitat, of an undivided one-half interest in the patent invention titled "Liquid Trap for Collecting Liquids in a Vacuum Device". Assignee Max-Planck-Gesellschaft zur Foerderung Wissenschaften e.V. gives its written consent to name Bernd Abel, Jens Assman, and Eugene Lugovoi as inventors on the subject invention.

Christa Herzog
Signature of Officer for Max-Planck-Gesellschaft

Dated: April 27, 2006

Christa Herzog

Name of Officer for Max-Planck-Gesellschaft

Head of Patent Department

Title of Officer for Max-Planck-Gesellschaft

BEST AVAILABLE COPY

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)	Docket No. 46955.22
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This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ *United States of America rights, title and interest in the invention*
- ☐ *Foreign rights, title and interest in the invention*
- ☐ *United States Patent Application Serial No.* _____
- Date of Execution:* _____ *Date of Filing:* _____
- ☐ *United States Provisional Patent Application Serial No.* _____
- ☐ *United States Patent No(s).* _____
- ☒ *International (PCT) Patent Application Serial No.* PCT/EP03/010164
- ☐ *Other (specify)* _____

Title of the Invention

LIQUID TRAP FOR COLLECTING LIQUIDS IN A VACUUM DEVICE

Inventors (assignors)

Name	Address
Manfred Faubel	Steinbreite 32, 37124 Rosdorf, Germany
Ales Charvat	Ginsterweg 10, 37077 Göttingen, Germany
Jürgen Troe	Rohnsweg 22, 37085 Göttingen, Germany
Bernd Abel	Hohler Weg 4D, 37127 Dransfeld, Germany
Jens Assmann	Augartenstraße 95, 68165 Mannheim, Germany
Eugene Lugovoi	Im Hassel 11, 37077 Göttingen, Germany

Assignee

Name	Address
Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	Hofgartenstraße 8, 80539 Munich, Germany
Georg-August-Universität Göttingen	Goßlerstraße 5-7, 37073 Göttingen, Germany

Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket No.
46955.22

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Manfred Faubel	<i>Manfred Faubel</i> / Mar/31/2005
Ales Charvat	<i>Ales Charvat</i> / April 12/2005
Jürgen Troe	<i>Jürgen Troe</i> / April 12/2005
Bernd Abel	<i>Bernd Abel</i> / April 4/05
Jens Assmann	<i>Jens Assmann</i> / April 08/05
Eugene Lugovoi	<i>Eugene Lugovoi</i> / April 20/05

DOCKETED



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 22, 2006

PTAS



103137188A

MATTHEW P. MCWILLIAMS
DRINKER BIDDLE & REATH LLP
ONE LOGAN SQUARE
18TH AND CHERRY STREETS
PHILADELPHIA, PA 19103-6996

UNITED STATES PATENT AND TRADEMARK OFFICE
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RECORDATION DATE: 12/12/2005

REEL/FRAME: 017342/0662

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FAUBEL, MANFRED

DOC DATE: 03/31/2005

ASSIGNOR:

CHARVAT, ALEX

DOC DATE: 04/12/2005

ASSIGNOR:

TROE, JURGEN

DOC DATE: 04/12/2005

ASSIGNOR:

ABEL, BERND

DOC DATE: 04/04/2005

ASSIGNOR:

ASSMAN, JENS

DOC DATE: 04/08/2005

ASSIGNOR:

LUGOVOI, EUGENE

DOC DATE: 04/20/2005

ASSIGNEE:

MAX-PLANCK-GESELLSCHAFT ZUR
FOERDERUNG DER WISSENSCHAFTEN
E.V.
HOFGARTENSTRASSE 8
MUNICH, GERMANY 80539

ASSIGNEE:

GEORG-AUGUST-UNIVERSITAT
GOTTINGEN
GOSSLERSTRASSE 5-7
GOTTINGEN, GERMANY 37073

SERIAL NUMBER: 10527676

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: LIQUID TRAP FOR COLLECTING LIQUIDS IN A VACUUM DEVICE

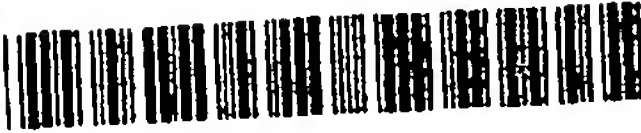
THERESA FREDERICK, EXAMINER
ASSIGNMENT SERVICES BRANCH
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12-14-2005

2

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

ET



103137188

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Manfred Faubel
Ales Charvat
Jürgen Troe
Bernd Abel

Jens Assman
Eugene Lugovoi

Execution Date(s) 31 March; 4, 8, 12, 20 April, all of 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Names: Max-Planck-Gesellschaft zur Foerderung
der Wissenschaften e.V.

Street Address: Hofgartenstrasse 8

City: Munich

State:

Country: Germany Zip: 80539

Additional name(s) & address(es) attached? ☒ Yes ☐ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

10/527,676

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Matthew P. McWilliams

Internal Address: Drinker Biddle & Reath LLP

Street Address: One Logan Square
18th and Cherry Streets

City: Philadelphia

State: Pennsylvania Zip: 19103-6996

Phone Number: 215.988.3381

Fax Number: 215.988.2757

Email Address: matthew.mcwilliams@dbr.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number

Authorized User Name

9. Signature:

Signature

December 7, 2005

Date

Matthew P. McWilliams, Reg. No. 46,922

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

12/13/2005 ECDOPER 00000054 10527676

01 FC:8021

40.00

Supplemental to Recordation Form. Over Sheet Box #2
For Patent Application Number 10/527,676
Attorney Docket Number: 46955.22

2. Name and address of additional receiving party(ies)

Names: Georg-August-Universität Göttingen

Street Address: Gosslerstrasse 5-7

City: Göttingen

Country: Germany Zip: 37073